



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 123866

TO: David Lukton
Location: rem/3b75/3c70
Art Unit: 1653
June 4, 2004

Case Serial Number: 10/002698

From: P. Sheppard
Location: Remsen Building
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Search Notes

123866

SEARCH REQUEST FORM
(STIC)

Requestor's Name: David Lukton

Examiner number: 71263

Date:

06-04-04

Art Unit: 1653

Phone number: 571-272-0952

Serial Number:

10-002 698

Mail Box: 3-C-70

Examiner Rm: 3-B-75

Results format: paper

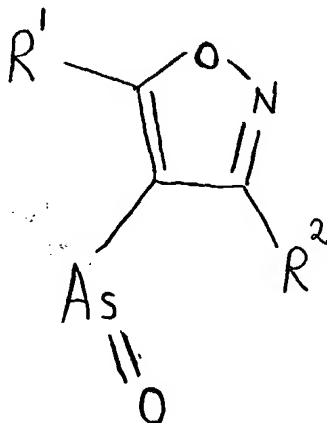
Title of Invention: INHIBITION OF CELL SURFACE PROTEIN
DISULFIDE ISOMERASE

Applicants: ROGELJ, SNEZNA; SKLAR, LARRY A.; PALMER,
ROBERT B.

Earliest Priority Date: 5/14/97

* * *

I would like to find examples of the following
compounds, wherein R^1 and R^2 can be anything, but at least
one of R^1 and R^2 is a substituent other than hydrogen.
("As" represents an atom of arsenic).



RECEIVED
JUN 4 2004
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Type of Search

Vendors and cost where applicable

Searcher: _____

NA Sequence (//) _____

STN

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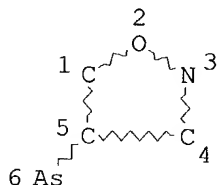
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FILE COVERS 1907 - 4 Jun 2004 VOL 140 ISS 24
 FILE LAST UPDATED: 3 Jun 2004 (20040603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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 L7 STR



NODE ATTRIBUTES:
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 DEFAULT ECLEVEL IS LIMITED

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 L14 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L9

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 ENTER DISPLAY FORMAT (BIB):end

=> d ibib abs hitstr

L14 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1998:764276 HCAPLUS
 DOCUMENT NUMBER: 130:10612

TITLE: Inhibition of cell surface protein disulfide isomerase
 INVENTOR(S): Rogelj, Snezna; Sklar, Larry A.
 PATENT ASSIGNEE(S): The University of New Mexico, USA
 SOURCE: PCT Int. Appl., 38 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9851297	A1	19981119	WO 1998-US9795	19980514
W: CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 981344	A1	20000301	EP 1998-921188	19980514
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 2002115713	A1	20020822	US 2001-2698	20011205
PRIORITY APPLN. INFO.:				
			US 1997-46487P	P 19970514
			WO 1998-US9795	W 19980514
			US 1999-424181	A3 19991110

OTHER SOURCE(S): MARPAT 130:10612

AB The invention provides anti-thiol reagents which inhibit enzyme activity of cell-assocd. protein disulfide isomerase (PDI) by oxidizing or blocking PDI active site vicinal thiol groups which normally participate in disulfide bond rearrangement of PDI substrates. Inhibition of this PDI function is particularly useful in blocking PDI-mediated entry of HIV or other virions into a host cell. The invention further provides an assay for the identification of such PDI inhibitors based on the discovery that inhibitors of the invention also induce shedding of the leukocyte L-selectin adhesion mol.

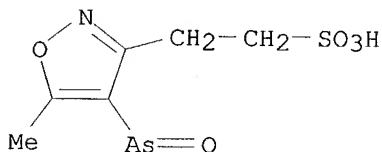
IT 216162-85-5

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(inhibition of cell surface protein disulfide isomerase (PDI) and PDI-mediated HIV entry into host cells)

RN 216162-85-5 HCAPLUS

CN 3-Isoxazoleethanesulfonic acid, 4-arsenoso-5-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT